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Beta 87C Vocal Microphone

The Beta 87C premium vocal microphone delivers studio-grade performance and a smooth, extended high-end frequency response in a cardioid condenser design. The microphone adds warmth to the frequency response and creates an ideal environment for in ear personal monitoring. And its highly consistent cardioid pattern offers excellent rear rejection.

[Features](#)[Specifications](#)[Accessories](#)[User Guides](#)

- :: Smooth, wide frequency response with slight presence rise
- :: Uniform cardioid polar pattern for maximum isolation
- :: Minimum off-axis tone coloration
- :: Low-frequency roll-off compensates for proximity effect
- :: Three-stage pop filter minimizes breath pop and noise
- :: Break-resistant stand adapter
- :: Frequency response: 50 - 20,000 Hz

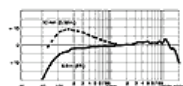
[Spec Sheet \(PDF\)](#)

Transducer Type

Condenser (electret bias)

Frequency Response

50 to 20,000 Hz

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Polar Pattern

Cardioid

Output Impedance

Rated at 150 ohms (100 Ohms actual +/- 20%)
Recommended minimum load impedance: 800 ohms

Sensitivity (at 1,000 Hz)

Open Circuit Voltage: -51 dBV/Pa (2 mV)
(1 Pa = 94 dB SPL)

Output Clipping Level

1000 Ohm Load at 1,000 Hz: -6 dBV (0.5 V)

Maximum SPL

139 dB at 1,000 Hz (0.25% THD, 1000 Ohm load)

Self-Noise

22 dB typical, A-weighted
24 dB typical, weighted per DIN 45 405
(equivalent sound pressure level; measured with true rms voltmeter)

Dynamic Range

117 dB (maximum SPL to A-weighted noise level)

Hum Sensitivity

-5 dB equivalent SPL, maximum, in a 1 mOe field (60 Hz)

Signal-to-Noise Ratio

72 dB at 94 dB SPL (IEC 651)*

*S/N ratio is difference between 94 dB SPL and equivalent SPL of self-noise A-weighted.

Polarity

Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of the output connector.

Power

Phantom Supply Requirement: 11 to 52 Vdc, positive at both pins 2 and 3

Current Drain: 1.0 to 1.2 mA

Connector

Three-pin (XLR) professional audio

Case

Aluminum construction with painted blue metallic finish, and hardened steel grille with nickel satin chrome plating

Dimensions

See User Guide

Net Weight

Net: 207 grams (7.6 oz)

Packaged: 565 grams (1.24 lbs)

Environmental Conditions

Operating: -18 degrees to 60 degrees C (0 degrees to 135 degrees F)(relative humidity <90%)

Storage: -29 degrees to 74 degrees C (-20 degrees to 165 degrees F) (relative humidity <80%)

**A85WS Microphone Windscreen**

Windscreen, Foam, for SM85, SM86, SM87A, Beta 87A, Beta 87C, and BG5.1 Microphones

**A55M Isolation Mount**

Shock Stopper Isolation Mount/Swivel Adapter, Full Mount, for SM57, SM58, Beta 57A, Beta 58A, Beta 87A, Beta 87C or any Shure tapered handle mic.

**A55HM Snap-in "Shock Stopper" Mount**

Shock Stopper Isolation Mount/Swivel Adapter, Half Mount, for SM57, SM58, Beta 57A, Beta 58A, Beta 87A, Beta 87C or any Shure tapered handle mic.

**RK312 Grille for Wired & Wireless Beta 87, Beta 87A, Beta 87C**

Grille for Wired and Wireless Beta 87, Beta 87A, Beta 87C Microphones.



RPM118 Replacement Cartridge for Beta 87C

Direct replacement cartridge for Shure Model Beta 87C cardioid dynamic microphone.

User Guide [English, French, German, Italian, Spanish](#) 1231 KB PDF

Quick Links

- :: [FAQ's for Beta 87C](#)
- :: [Beta Microphones](#)
- :: See also [Beta 87A](#) , [Beta 58A](#)